ABSTRACT OF THE DISCLOSURE

A process for copolymerizing ethylene with vinylsilanes is disclosed. The process uses a Ziegler-Natta catalyst and cocatalyst wherein the Ziegler-Natta catalyst is prepared from a Group 4-6 halogen-containing transition metal and a mixture of an organomagnesium compound and a silicon-containing compound. Silane-functionalized polyolefins produced using the process can be crosslinkable and can be used to bond polyolefins to polysiloxanes or other functionalized polymers.